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United States Department of Agriculture  
Agricultural Research Service  
Plant Protection Division

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PROCUREMENT SECTION  
CURRENT SERIAL RECORDS

BEET LEAFHOPPER SURVEY - DESERT AREAS OF SOUTHERN UTAH,  
SOUTHEASTERN CALIFORNIA, AND CENTRAL ARIZONA  
February 3 - February 25, 1970

Surveys made by Plant Protection Division personnel in the beet leafhopper spring breeding areas above named indicate that, present conditions prevailing, movement of the pest from these areas to cultivated districts in central Arizona, southeastern California, southern Nevada, southern and eastern Utah, and western Colorado is expected to be light to moderate; movement to central and northern Utah is expected to be light.

In general, annual weed host-plant areas were small and intermittent throughout the region surveyed. Some rains were occurring during the second week of the survey, which may be sufficient to sustain host plants or germinate additional plants in some locations.

Movement of beet leafhoppers to cultivated districts is expected to occur between late February and early March, varying with host plant abundance and prevailing weather conditions.

The average number of beet leafhoppers per square foot where annual hosts were present was 0.077 in 1970 as compared to 0.028 in 1969, 0.034 in 1968, 0.09 in 1967, 0.013 in 1966, 0.04 in 1965, and 0.015 in 1964. It is estimated from data collected during the survey that overwintering beet leafhoppers in the spring breeding areas totaled 11.3 billion in 1970 as compared to 14.0 billion in 1969, 24.1 billion in 1968, 32.8 billion in 1967, 6.5 billion in 1966, 12.0 billion in 1965, and 112.0 billion in 1964.

This report covers only the beet leafhopper situation as found in the area surveyed and does not have reference to populations that may have overwintered in local areas in northern and eastern Utah or western Colorado or western Nevada.

Prepared at  
PPD, ARS, USDA  
Oakland, California  
March 2, 1970



UNITED STATES DEPARTMENT OF AGRICULTURE  
BUREAU OF ENTOMOLOGY  
PLANT PROTECTION SERVICE  
WASHINGTON, D. C.  
1918

March 10, 1918

Subject: Second Year Leafhopper Survey, 1918, in Southern  
California, Central and the Colorado Desert, and  
Southern Utah, March 1 to 16, 1918.

To: Cooperstown

The second year leafhopper survey was in the desert spring  
breeding areas of California, Arizona, Nevada, and Utah was  
completed on March 16.

Leafhopper populations remain about the same as indicated  
by the earlier survey, with somewhat of leafhoppers to the  
northern cultivated host areas were expected to be light to  
moderate.

Due to recent rains in the desert areas of Arizona, native  
host plants were in good condition and a slight buildup of  
leafhopper populations was evident. In all other areas  
surveyed, host plants were less abundant and unfavorable for  
population buildup.

Sincerely yours,

C. C. Fancher

C. C. Fancher  
Regional Supervisor

